

Title (en)
LIGNOCELLULOSE MATERIALS COMPRISING EXPANDED PLASTIC PARTICLES NON-HOMOGENEOUSLY DISTRIBUTED IN THE CORE

Title (de)
LIGNOCELLULOSEWERKSTOFFE MIT INHOMOGEN IM KERN VERTEILT VORLIEGENDEN EXPANDIERTEN KUNSTSTOFFTEILCHEN

Title (fr)
MATÉRIAUX LIGNOCELLULOSIQUES COMPRENANT DES PARTICULES DE MATIÈRE PLASTIQUE EXPANSÉES RÉPARTIES DE FAÇON NON HOMOGÈNE DANS LE NOYAU

Publication
EP 2794210 A1 20141029 (DE)

Application
EP 12805702 A 20121220

Priority
• EP 11195609 A 20111223
• EP 2012076310 W 20121220
• EP 12805702 A 20121220

Abstract (en)
[origin: WO2013092817A1] Materials which contain lignocellulose, have a core and two covering layers, and contain, in the core, A) 30 to 98 wt. % lignocellulose particles, B) 1 to 25 wt. % expanded plastic particles having a bulk density in the range of 10 to 150 kg/m³, C) 1 to 50 wt. % of one or more binding agents selected from the group consisting of amino resin, phenolic resin and organic isocyanate comprising at least two isocyanate groups, and D) 0 to 10 wt. % additives, and, in the covering layers, E) 70 to 99 wt. % lignocellulose particles, F) 1 to 30 wt. % of one or more binding agents selected from the group consisting of amino resin, phenol formaldehyde resin and organic isocyanate comprising at least two isocyanate groups, and G) 0 to 10 wt. % additives. The lignocellulose particles of the covering layers E contain at least 25 wt. % lignocellulose-containing chips, and the expanded plastic particles B are non-homogeneously distributed in the core.

IPC 8 full level
B27N 3/00 (2006.01)

CPC (source: EP)
B27N 3/005 (2013.01)

Citation (search report)
See references of WO 2013092817A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013092817 A1 20130627; AU 2012357001 A1 20140522; AU 2012357001 B2 20170202; AU 2012357001 B8 20170216; BR 112014007761 A2 20170418; BR 112014007761 B1 20200929; CA 2854701 A1 20130627; CA 2854701 C 20210119; CL 2014001022 A1 20140725; CN 103998194 A 20140820; CN 103998194 B 20161228; EA 027632 B1 20170831; EA 201491142 A1 20141230; EP 2794210 A1 20141029; EP 2794210 B1 20181010; ES 2704884 T3 20190320; JP 2015506856 A 20150305; JP 6173343 B2 20170802; KR 102052223 B1 20191204; KR 20140110001 A 20140916; MY 182505 A 20210125; NZ 622991 A 20150828; PL 2794210 T3 20190329; PT 2794210 T 20190121; UA 112670 C2 20161010; ZA 201405334 B 20171129

DOCDB simple family (application)
EP 2012076310 W 20121220; AU 2012357001 A 20121220; BR 112014007761 A 20121220; CA 2854701 A 20121220; CL 2014001022 A 20140422; CN 201280062543 A 20121220; EA 201491142 A 20121220; EP 12805702 A 20121220; ES 12805702 T 20121220; JP 2014548002 A 20121220; KR 20147020714 A 20121220; MY PI2014001849 A 20121220; NZ 62299112 A 20121220; PL 12805702 T 20121220; PT 12805702 T 20121220; UA A201408262 A 20121220; ZA 201405334 A 20140721